

### **AMENDMENTS TO THE CLAIMS**

Please amend claims 1 and 2 as follows:

1. (Currently Amended) A multihop radio network system, through which a signal is transmitted from a source node to a destination node via a relay ~~node~~ nodes, said multihop radio network system comprising:

a source node configured to modulate and transmit a signal to reach a destination node via a plurality of paths; and

said relay nodes configured to regenerate and relay; and

a destination node configured to receive signals transmitted through the plurality of paths by demodulating signals by hard-decided values in each path and then combining them based on reliability data of each path.

2. (Currently Amended) A receiver system of a multihop radio network system, through which a signal is transmitted from a source node to a destination node via plurality of paths through a relay node ~~nodes~~ configured to regenerate, said receiver system comprising:

a demodulator configured to demodulate signals by hard-decided values in each path;

a combiner configured to depacketize demodulated signals for respective paths and combine them; and

a decoder configured to decode a combined signal.

3. (Original) The receiver system according to Claim 2, wherein the combiner is configured to combine by averaging based on the number of paths.

4. (Original) The receiver system according to Claim 2, wherein the combiner is configured to combine by multiplying by a weight based on reliability data for each of the paths.